

ABSTRACT

Electron gun having cathode support means comprising:

- an eyelet surrounding the cathode and welded thereto

5 - a metal plate 150 substantially parallel to the longitudinal axis of the gun comprising a central part 152 folded so as to partially surround the eyelet and two side arms 151 extending on each side of the central part and connected thereto by a region 155 having, in the direction of the longitudinal axis, a width which is greater than the width of the side arms in the same direction.

10 This type of structure makes it possible to use the same support for the side and central cathodes of a three-beam gun.